

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number  
**WO 2005/066337 A3**

(51) International Patent Classification<sup>7</sup>: C12N 9/18,  
A61K 38/46

(21) International Application Number:  
PCT/IL2005/000028

(22) International Filing Date: 9 January 2005 (09.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/535,203 9 January 2004 (09.01.2004) US

(71) Applicant (for all designated States except US): YISSUM  
RESEARCH DEVELOPMENT COMPANY OF THE  
HEBREW UNIVERSITY OF JERUSALEM [IL/IL]; Hi  
Tech Park, The Edmond J. Safra Campus, The Hebrew Uni-  
versity of Jerusalem, Givat Ram, 91390 Jerusalem (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SOREQ, Hermona  
[IL/IL]; 14 HaMaAyan Street, Ein Kerem, 95903 Jerusalem  
(IL). DIAMANT, Sophie [IL/IL]; 99 Nof Harim Street,  
90805 Mevasseret Zion (IL).

(74) Agent: G. E. EHRLICH (1995) LTD.; 11 Menachem Be-  
gin Street, 52 521 Ramat-Gan (IL).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments
- with sequence listing part of description published sepa-  
rately in electronic form and available upon request from  
the International Bureau

(88) Date of publication of the international search report:  
27 October 2005

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: COMPOUNDS, PHARMACEUTICAL COMPOSITIONS AND THERAPEUTIC METHODS OF PREVENTING  
AND TREATING DISEASES AND DISORDERS ASSOCIATED WITH AMYLOID FIBRIL FORMATION

(57) Abstract: Compounds, pharmaceutical compositions and methods for prevention and/or reversal of amyloid fibril formation  
and treating amyloid-related disorders are provided. Also provided a method of limiting and/or reducing inflammation.



WO 2005/066337 A3